|  |  |  |
| --- | --- | --- |
| **Criterion E – Processing Data** | | |
| **Achievement Level** | Descriptor | |
| **0** | The student does not reach a standard described by any of the descriptors below. | You do not reach a standard described by any of the descriptors below. |
| **1-2** | The student is able to collect some data from an experiment. The student is able to present the data in a simple results table that has been constructed for them, and make some attempt to draw a simple type of graph. The student attempts to comment on the relationships in the data but probably in a very limited way. The student attempts to draw a conclusion, but it is likely does not show a proper interpretation of the data. | You are able to collect some data about how sour the drinks are. You are able to present this data in a simple results table that we built together, and make some attempt to draw a bar graph. You attempt to comment on the relationships between the acidity of the five different drinks but it is limited. You attempt to draw a conclusion about how sour the drinks are and whether the class all agreed on the order of acidity but you do not show a proper interpretation of the data. |
| **3-4** | The student is able to collect a considerable amount of data using appropriate units. The student is able to make a reasonable effort to present their data in a suitable table, and draw suitable graphs or charts. The student is able to describe almost correctly the relationship shown in the data from the experiment. The student is able to draw a conclusion generally consistent with the interpretation of the data. | You are able to collect a considerable amount of data about how sour the drinks are. You make a reasonable effort to present your data in a suitable table, and to draw a bar graph about each of the drinks. You are able to describe almost correctly the relationships between the acidity of the five drinks. You are able to draw a conclusion that is generally consistent with how sour the drinks are and whether the class agreed on the order of acidity. |
| **5-6** | The student is able to collect a considerable amount of data using appropriate units. The student is able to present their data in a suitable table, do any calculations that are necessary, and draw suitable graphs or charts. The student is able to describe correctly the relationship show in the data from the experiment. The student is able to draw a conclusion consistent with the interpretation of the data. | You are able to collect a considerable amount of data about how sour the drinks are. You present your data in a suitable table and draw bar graphs that show the relationships between each person’s interpretations of how sour the drinks are and the drink type. You are able to describe the relationships between the acidity of the five drinks. You are able to draw conclusions that state how sour each drink is and whether the class agreed on the order of acidity. |

|  |  |
| --- | --- |
| **Criterion F – Attitudes in Science** | |
| **Achievement Level** | Descriptor |
| **0** | The student does not reach a standard described by any of the descriptors below. |
| **1-2** | You still require some guidance to work safely and some assistance when using material and equipment. You still require some guidance to work responsibly in regard to the environment. You are able to mostly work as part of a group, but sometimes need reminders or advice on how to cooperate with others. |
| **3-4** | You are able to work safely with little guidance and with little assistance when using material and equipment. You are able to work responsibly in regard to the environment. You are generally able to work in a cooperative way when working as part of a group. |
| **5-6** | You are able to work safely and use material and equipment competently, without guidance. You are able to work responsible in regard to the environment. You are able to cooperate with others when working as part of a group. |